IP Link® Device Interface Communication Sheet

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: DVD
Manufacturer: Denon
Firmware Version: N/A
Model(s): DBP-2010CI

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
2	7/18/2011	1.4.0	3.2.0	Updated “Notes for the Device” section on Communication Sheet. Updated driver for faster response and better functionality.
1	10/19/2010	1.4.0	3.0.4	Initial version.

Driver Notes:

This driver is not recommended for pass through mode.

Control Commands & States:

Function	Clear	Random	Program
	Setup	Display	
Menu Call	Root Menu	Top Menu	
Menu Navigation	Up	Down	Left
	Right	Enter	Return
Power Control	On	Off	
Repeat Mode	Repeat	AB	
Transport	Play	Stop	Pause
	Random	Repeat	Next
	Previous	FFwd	Rew
	Eject		
Zoom	Execute		

Status Available:

Connection Status	Connected	Disconnected	
Current Chapter/Track No.	Chapter/Track No.		
Current Title/Album No.	Title/Album No.		
Disc Type Status	DVD Video	DVD_Audio	VCD
	CD-DA	CD-ROM	Unknown
	SACD	DVD VR	BDMV
	BDAV	Status Unavailable	
Playback Status	Standby	Disk Loading	Loading Complete
	Tray Opening	Tray Closing	No Disc
	Stopped	Playing	Paused
	Scan	Searching	Setup
	Playback Control	Resume Stop	DVD Menus
	Status Unavailable		
Power Control	On	Off	
Transport	Play	Stop	Pause

MLC62 Supported Commands:

Function	Clear	Random	Program
	Setup	Display	
Menu Call	Root Menu	Top Menu	
Menu Navigation	Up	Down	Left
	Right	Enter	Return
Power Control	On	Off	
Repeat Mode	Repeat	AB	
Transport	Play	Stop	Pause
	Random	Repeat	Next
	Previous	FFwd	Rew
	Eject		
Zoom	Execute		

Cable and Adapter Requirements:

M/F RS-232 straight serial cable (Extron Electronics P/N 26-433-XX)

Notes for the Device:

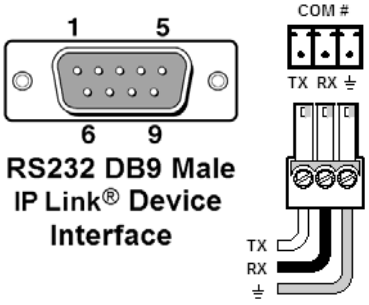
By default, the Denon DVD Power Saving option is set to ON. This will prevent the Denon device to communicate with control command when the device is on standby. In order to use the RS232 communication, you need to change the Power Saving option to OFF. To disable the Power Saving option, the steps are as follows:

Setup → Custom → Other → Power Saving

Serial communication:

Port Type:	RS-232	**Parity:**	Even
Baud Rate:	9600	**Stop Bits:**	1
Data Bits:	8	**Flow Control:**	None

Pin Assignments Diagram:



Signal	Pin	Main Cable	Pin	Signal
RxD	2	←	2	TxD
TxD	3	→	3	RxD
GND	5	—	5	GND

Note: Captive screw connector may also be used as a serial connection.

General Notes: